

Iowa State FFA Floral CDE

1. 1. A fungicide such as captan added to a rooting hormone
 - a. helps prevent cuttings from rotting.
 - b. makes the hormone last longer.
 - c. causes the hormone to break down chemically
 - d. none of the above.
2. 2. The chemical most often used commercially for rooting cuttings is
 - a. indoleacetic acid.
 - b. indolebutyric acid.
 - c. naphthaleneacetic acid.
 - d. talc.
3. 3. To create the proper scale in a floral design, flowers at the focal point should be at
 - a. bud stage.
 - b. tight-bud stage
 - c. full bloom.
 - d. none of these
4. 4. The basic types of floral material include
 - a. line.
 - b. mass.
 - c. form.
 - d. all of the above

MULTIPLE CHOICE

5. What is the first stage of growth called after a cutting starts to grow?
 - a. softwood formation
 - b. stem formation
 - c. scab formation
 - d. callus formation
6. At what percentage should the humidity be kept for new cuttings?
 - a. 100 percent
 - b. 50 percent
 - c. 25 percent
 - d. 10 percent

7. _____ formation occurs during the storage period of cuttings.
- Tip
 - Callus
 - Leaf
 - Stem
8. When grafting, what is the name of the newly installed shoot or top of the plant?
- tissue
 - rootstock
 - corm
 - scion
9. In order to have a successful graft, the two plants generally must be—
- friends
 - related
 - neighbors
 - the same size
10. Side veneer grafting in evergreens is used to produce the right—
- color
 - size
 - wood type
 - stems
11. In general, a plant grown in a one-gallon container requires how much water each day?
- one gallon
 - one quart
 - one pint
 - two gallons
12. Which of the following are important things to be considered when selecting a container?
- appearance
 - shape
 - insulation value
 - all the above
13. Which of the following would increase the water requirements of a container-grown plant?
- a hot day
 - a plant in bloom
 - a broadleaf evergreen
 - all of the above

14. Planting media can be sterilized by heating to 180 degrees F for how many minutes?
- 10 minutes
 - 50 minutes
 - 120 minutes
 - 30 minutes
15. Sterile planting media, sanitary growing site, and sanitary containers are the best way to control which of the following?
- insects
 - growth of the plants
 - disease
 - temperature
16. A major factor in selecting annual plants for a specific site is—
- height
 - color
 - purpose
 - all of the above
17. Perennials are transplanted in the—
- winter and summer
 - fall and spring
 - winter, spring, summer and fall
 - summer
18. The leaves of narrowleaf evergreens may be either—
- simple or compound
 - needlelike or scalelike
 - alternate or opposite
 - all of the above
19. Which of the following is not a broadleaf evergreen?
- holly
 - magnolia
 - yew
 - boxwood
20. Bare root trees are planted only when they are—
- brown
 - awake
 - dormant
 - wet

21. The best time to plant bare root deciduous shrubs is when they are—
- green
 - brown
 - awake
 - dormant
22. If the proper ground cover plants are selected, _____ should not be necessary after the first year.
- sunning
 - watering
 - fertilizing
 - pruning
23. Bulbs are more attractive when planted in a—
- pile
 - zigzag
 - line
 - mass
24. At what angle should stems be cut for pruning?
- 45 degree angle
 - 90 degree angle
 - 20 degree angle
 - 180 degree angle
25. With xeriscaping, plants are grouped together in relation to their _____ needs.
- fertilizer
 - soil
 - sun
 - water

KEY ID
A B C D

SCORING & PRINTING OPTIONS:
 RESCORE MULTIPLE ANSWER SCORING
 CORRECT ANSWER MARK X TOTAL ONLY
 MARK ONLY ONE

NCS Test Sheet 50/50

Form No. 95142

Reorder Phone Number
1-800-367-6627

↑ FEED IN THIS DIRECTION ↓

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PERFORMANCE ASSESSMENT	
% OF TOTAL SCORE	POINTS EARNED
00 = 100%	
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MARKING INSTRUCTIONS

Use a No 2 Pencil
 A B C D E
 Fill oval completely
 A B C D E
 Erase cleanly

STUDENT ID NUMBER									
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↑ FEED IN THIS DIRECTION ↓

NUMBER CORRECT	NCS 100 KEY
PERCENT CORRECT	
ROSTER NUMBER	
SCORE	
RESCORE	

NCS
 With Education in Mind
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COMBINED POINTS EARNED	NCS 100 KEY
COMBINED PERCENT CORRECT	
LETTER GRADE	
SCORE	
RESCORE	

NAME Key

SUBJECT Floral Test

PERIOD _____ DATE _____



1998 Iowa FFA Floriculture Career Development Event

Team Event Score Card

Names: _____

School P.O. _____

Contestant Numbers _____

Team Activity Score Card

	Possible Points	Participant Points
Establish Team Leadership Role	10	
Member Participation in Planning of Activity	18	
Developed a Workable Plan	20	
Member Responsibilities Outlined and Assigned	9	
Materials Organized Prior to Commencing Activity	8	
Member Participation in Carrying Out Activity Functions	10	
Followed Proper Procedures in Carrying Out Activity	15	
Quality of Activity Product	10	
Total Points Per Team	100	

Florist Shoppe Custom Orders			
	Quantity Used	Unit Cost	Total
Plant Materials:			
Flowers			
Greens			
Other Materials:			
Tape			
Wire			
Ribbon			
Corsage Pins			
Corsage Bag			
Box			
Card and Envelope			
Total Materials Cost			
Mark-up of 300% plus shipping charges			
Total Custom Order Billing			

When your team has completed their order, have one representative raise their hand and signal a judge to their station. Present the above bill and scoresheet to the judge.

FFA Chapter: _____

Team Members: _____

1998 Iowa FFA Floriculture Career Development Event

Potting Plant Practicum

Name _____ School P.O. _____

Contestant Number _____

Potting Plant Score Card		
	Possible Points	Participants Points
Potting Process (70 points)		
Selection of Cuttings	13	
Filling Pot with Soil	5	
Placing of Cuttings	8	
Covering Cutting Rooted Ends	24	
Labeling of Pot	12	
Potting Product (30 points)		
Depth of Planting	7	
Correct Soil Level in Pot	6	
Cutting Arrangement and Angle Firmness of Soil	7	
Firmness of Soil	5	
General Appearance (freedom from handling damage)	5	
Total Points	100	

Iowa FFA Floriculture CDE
June 18, 1998
Identifying and Controlling Plant Disorders Practicum

Instructions: You will have thirty (30) minutes in which to inspect and diagnose a plant disorder and then identify the cause of the disorder. There are 5 stations, each with 2 questions. All answers will go on the scantron sheet.

Station #1:

1. The Plant Disorder is:

- a. Nutritional and Environmental
- b. Disease related
- c. Insect related
- d. Other than those above

2. The Specific Problem is:

- a. Iron Deficiency
- b. Mosaic
- c. Powdery Mildew
- d. Scale
- e. Poor Soil Drainage

Station #2:

3. The Plant Disorder is:

- a. Nutritional and Environmental
- b. Disease related
- c. Insect related
- d. Other than those above

4. The Specific Problem is:

- a. Nitrogen Deficiency
- b. Leaf Spot
- c. WhiteFly
- d. Spider Mites
- e. Bacterial Wilt

Station #3:

5. The Plant Disorder is:

- a. Nutritional and Environmental
- b. Disease related
- c. Insect related
- d. Other than those above

6. The Specific Problem is:

- a. Slugs
- b. Overwatering Damage
- c. Root Rot
- d. Stem Rot
- e. Salt Damage

Station #4:

7. The Plant Disorder is:

- a. Nutritional and Environmental
- b. Disease related
- c. Insect related
- d. Other than those above

8. The Specific Problem is:

- a. Slugs
- b. Overwatering Damage
- c. Root Rot
- d. Stem Rot
- e. Salt Damage

Station #5:

9. The Plant Disorder is:

- a. Nutritional and Environmental
- b. Disease related
- c. Insect related
- d. Other than those above

10. The Specific Problem is:

- a. Slugs
- b. Overwatering Damage
- c. Root Rot
- d. Stem Rot
- e. Salt Damage

Corsage problem:

You are to make a corsage for the following young lady and price it out.

June 18, 1998

Iowa FFA Floriculture Contest

Ms. Butler ordered a \$15.00 corsage for her mother for Mother's Day. Ms. Butler's mother is about 5'10". She likes pinks, lavenders and white. She would like mini-carnations, daisy poms and purple statice. She would like some baby's breath and greenery on it as well with a bow. She will pick it up this afternoon. You will have 30 minutes to complete this practicum. Don't forget the mark-up.

COST OF ITEMS:

Mini Carnations	4.85/bunch (6-10 stems/bunch)
Leather Leaf	2.25/bunch (10 stems/bunch)
Statice	5.75/bunch (10 stems/bunch)
Daisy Poms	3.75/bunch (6-10 stems/bunch)
Pin, floral tape & wire	1.00/includes all the items listed
Corsage bag	.50
Ribbon	.50

Key

Math for Horticulture

1. One cubic yard is the same measurement as

- a. $3' \times 1' \times 1'$
- b. $3' \times 3' \times 3'$
- c. $3' \times 1' \times 3'$
- d. $1' \times 1' \times 1'$

2. Cubic measurement determines

- a. mass
- b. area
- c. volume
- d. length

Bark mulch is to be added to Rebecca Estells' flower bed. The mulch will spread 3 inches deep. The area to be covered is $6' \times 24'$. Each bag of mulch contains enough to cover 12 square feet, 2 inches deep.

3. How many square feet is Rebecca's flower bed?

- a. 48
- b. 124
- c. 144
- d. 152

4. How many cubic feet is needed to cover Rebecca's flower bed with 3 inches of mulch?

- a. 432
- b. 12
- c. 36
- d. 48

5. How many cubic feet will one bag of mulch cover?

- a. 2
- b. 24
- c. 4
- d. 48

6. How many bags of mulch will Rebecca need to cover her flower bed?

- a. 24
- b. 18
- c. 3
- d. 9

You have been asked to give an estimate for a fence around a lot that measures 120' x 300'. The customer wants two 4' gates in the front and back.

7. How many 8 foot sections of dog ear fencing will be needed.

- a. 104
- b. 105
- c. 105
- d. 107

8. How many postes will be needed.

- a. 104
- b. 105
- c. 106
- d. 107

9. A tree with a 4" trunk diameter needs fertilizer. Utilizing a bag of 10-6-4 it is recommended to use an amount of fertilizer equal to the square of the trunk diameter. How much fertilizer is needed for this tree.

- a. 8 lbs
- b. 16 lbs
- c. 32 lbs
- d. 4lbs

10. You wish to apply 40lbs of N per acre of land using 36-5-15 fertilizer. How many pounds of fertilizer will you need per acre?

- a. 97
- b. 111
- c. 123
- d. 169

1998 Floriculture problem Solving
Floriculture Contest

1. One cubic yard is the same measurement as

- a. $3' \times 1' \times 1'$
- b. $3' \times 3' \times 3'$
- c. $3' \times 1' \times 3'$
- d. $1' \times 1' \times 1'$

2. Bark mulch is to be added to Rebecca Estells' flower bed. The mulch will spread 3 inches deep. The area to be covered is $6' \times 24'$. Each bag of mulch contains enough. Each bag of mulch contains enough to cover 12 square feet. 2" deep.

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- c. 144
- d. 152

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- b. 12
- c. 36
- d. 48

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- b. 24
- c. 4
- d. 48

5. How many bags of mulch will Rebecca need to cover her flower bed?

- a. 24
- b. 18
- c. 3
- d. 9

**1998 Floriculture problem Solving Practicum
Floriculture Contest**

1. One cubic yard measurement determines
 - a. a mass
 - b. area
 - c. volume
 - d. length

2. You have been asked to give an estimate for a fence around a lot that measures 120' x 300'. The customer wants two 4' gates in the front and back.

How Many 8 foot sections of dog ear fencing will be needed?

- a. 104
 - b. 105
 - c. 106
 - d. 107
-
3. How many posts will be needed?
 - a. 104
 - b. 105
 - c. 106
 - d. 107

 4. A tree with a 4" trunk diameter needs fertilizer. Utilizing a bag of 10-6-4 it is recommended to use an amount of fertilizer equal to the square of the trunk diameter. How much fertilizer is needed for this tree.
 - a. 8 lbs.
 - b. 16 lbs.
 - c. 32 lbs.
 - d. 41 lbs.

 5. You wish to apply 40 lbs. Of N per acre of land using 36-5-15 fertilizer. How many pounds of fertilizer will you need per acre?
 - a. 97
 - b. 111
 - c. 123
 - d. 169

SCORING & PRINTING OPTIONS: RESCORE MULTIPLE ANSWER SCORING CORRECT ANSWER MARK X TOTAL ONLY
 MARK ONLY ONE

- ↑ FEED IN THIS DIRECTION ↓
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 - 3 A B ● D E C
 - 4 A ● C D E B
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 - 23 A B C D E
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 - 25 A B C D E

NCS Test Sheet

25/25

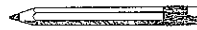
Form No. 95141

Reorder Phone Number
1-800-367-6627



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MARKING INSTRUCTIONS



Use a No. 2 Pencil

A ● C D E
Fill oval completely

A B C D E
Erase cleanly

STUDENT ID NUMBER									
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NUMBER CORRECT	5
PERCENT CORRECT	100
ROSTER NUMBER	1111
LETTER GRADE	
SCORE	
RESCORE	



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NAME KEY

SUBJECT FLOREAL PRACTICUM

PERIOD _____ DATE _____

1998 Iowa FFA Floriculture Career Development Event Corsage and Packaging Practicum

Name _____ School P.O. _____

Contestant Number _____

Corsage Practicum Score Card

	Possible Points	Participant Points
Wiring and Taping	16	
Use of Ribbon	20	
Design	20	
Wearability	18	
Packaging	10	
Pricing	16	
Total Points	100	

Corsage Itemized Bill

	Quantity Used	Unit Cost	Total
Plant Materials:			
Flowers			
Greens			
Other Materials:			
Tape			
Wire			
Ribbon			
Corsage Pins			
Corsage Bag			
Box			
Card and Envelope			
Total Materials Cost			
Mark-up = Two and one-half times the total material cost			
Total corsage Cost			